

Application/Control Number: 09/431,429  
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PLEASE CANCEL CLAIMS 265-269 AND 293 REMAINING IN CASE CLAIMS 270-  
AND 294

270. A method in a data processing system for presenting a set of screens in a graphical user interface, the method comprising the data processing system implemented steps of:

- 5 presenting a first screen within a set of screens, wherein the set of screens are presented using a set of view controllers;
  - responsive to a selected user input to the first screen, generating an event by a view controller within
- 10 the set of view controllers identifying the user input to the first screen, which is handled by the first view controller; and
  - responsive to detecting the event generated by the view controller, selecting, by an application mediator, a second screen from the set of screens for display by sending a response to a view controller handling the second screen.
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271. The method of claim 270, wherein the screen is a component.

272. The method of claim 270, wherein the selecting step is performed using a state machine in the application mediator.

273. The method of claim 270, wherein the event includes a major code and a minor code.

274. The method of claim 270, wherein the major code indicates an action taken and the minor code indicates a function to be performed.

275. The method of claim 270, wherein the application

mediator is initialized by reading a file containing a set of rules.

276. The method of claim 275, wherein the set of rules 5 are a set of transition rules for a state machine.

277. The method of claim 276, wherein the application mediator is initialized using a portion of the set of rules.

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278. A data processing system comprising:

a plurality of screens presented by a plurality of view controllers, wherein each view controller is associated with a screen, controls presentation of the 15 screen, controls internal operation of the screen, and generates an event in response to a selected input to the screen; and

an application mediator, wherein the application mediator receives events from the plurality of view 20 controllers and provides responses to the plurality of view controllers to alter the display of the plurality of screens.

279. The data processing system of claim 278, wherein the 25 plurality of screens are displayed one screen at a time.

280. The data processing system of claim 278, wherein the plurality of screens are displayed in an order controlled by the application mediator.

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281. The data processing system of claim 278, wherein the event includes an identification of the user input to a

screen and includes data and wherein the application mediator provides a function to process the data.

282. The data processing system of claim 278, wherein the 5 application mediator includes a state machine used to process events.

283. The data processing system of claim 278, wherein the event includes a major code and a minor code.

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284. The data processing system of claim 278, wherein the major code indicates an action taken and the minor code indicates a function to be performed.

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285. A data processing system for presenting a set of screens in a graphical user interface, the data processing system comprising:

presenting means for presenting a first screen within a set of screens, wherein the set of screens are 20 presented using a set of view controllers;

generating means, responsive to a selected user input to the first screen, for generating an event by a view controller within the set of view controllers identifying the user input to the first screen, which is 25 handled by the first view controller; and

selecting means, responsive to detecting the event generated by the view controller, for selecting, by an application mediator, a second screen from the set of screens for display by sending a response to a view 30 controller handling the second screen.

286. The data processing system of claim 285, wherein the

screen is a component.

287. The data processing system of claim 285, wherein the selecting means is performed using a state machine in the 5 application mediator.

288. The data processing system of claim 285, wherein the event includes a major code and a minor code.

10. 289. The data processing system of claim 285, wherein the major code indicates an action taken and the minor code indicates a function to be performed.

15. 290. The data processing system of claim 285, wherein the application mediator is initialized by reading a file containing a set of rules.

20. 291. The data processing system of claim 290, wherein the set of rules are a set of transition rules for a state machine.

25. 292. The data processing system of claim 291, wherein the application mediator is initialized using a portion of the set of rules.

293. A computer program product in a computer readable medium comprising:

first instructions for a plurality of view controllers, wherein the plurality of view controllers 30 handle display of a plurality of containers and generate events in response to a user input to the plurality of containers; and

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second instructions for a plurality of application mediators, wherein the plurality of application mediators handle events from the plurality of view controllers, wherein each of the plurality of application mediators 5 include state machine used to mange reception and processing events.

294. A computer program product in a computer readable medium for presenting a set of screens in a graphical 10 user interface, the computer program product comprising:

first instructions for presenting a first screen within a set of screens, wherein the set of screens are presented using a set of view controllers;

second instructions, responsive to a selected user 15 input to the first screen, for generating an event by a view controller within the set of view controllers identifying the user input to the first screen, which is handled by the first view controller; and

third instructions, responsive to detecting the 20 event generated by the view controller, for selecting, by an application mediator, a second screen from the set of screens for display by sending a response to a view controller handling the second screen.

25 295. A computer program product in a computer readable medium comprising:

first instructions for a plurality of screens presented by a plurality of view controllers, wherein each view controller is associated with a screen, 30 controls presentation of the screen, controls internal operation of the screen, and generates an event in response to a selected input to the screen; and

second instructions for an application mediator, wherein the application mediator receives events from the plurality of view controllers and provides responses to the plurality of view controllers to alter the display of the plurality of screens.

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296. A method in a data processing system for serializing a data element, the method comprising the data processing system implemented steps of:

10. receiving the data element for serialization, wherein data element includes a class name;  
replacing the class name with an indicator having a smaller size than the class name to form a modified data element; and
15. serializing the modified data element.

297. The method of claim 296, wherein the step of replacing the class name string with an indicator having a smaller size than the class name to form a modified data element comprises hashing the class name to create a hash code and replacing the class name with the hash code.

298. The method of claim 297 further comprising:

25. receiving the modified data element;  
deserializing the modified data element; and  
replacing the hash code with the class name string.

299. The method of claim 296, wherein the data element includes a path and wherein the path and the class name string are replaced with the indicator.